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SCHOOL OF MINES AND METALLURGY

UNIVERSITY OF MISSOURI

BULLETIN

OCTOBER, 1919

REGISTER OF GRADUATES
1874-1919

ROLLA, MISSOURI

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SCHOOL OF MINES AND METALLURGY

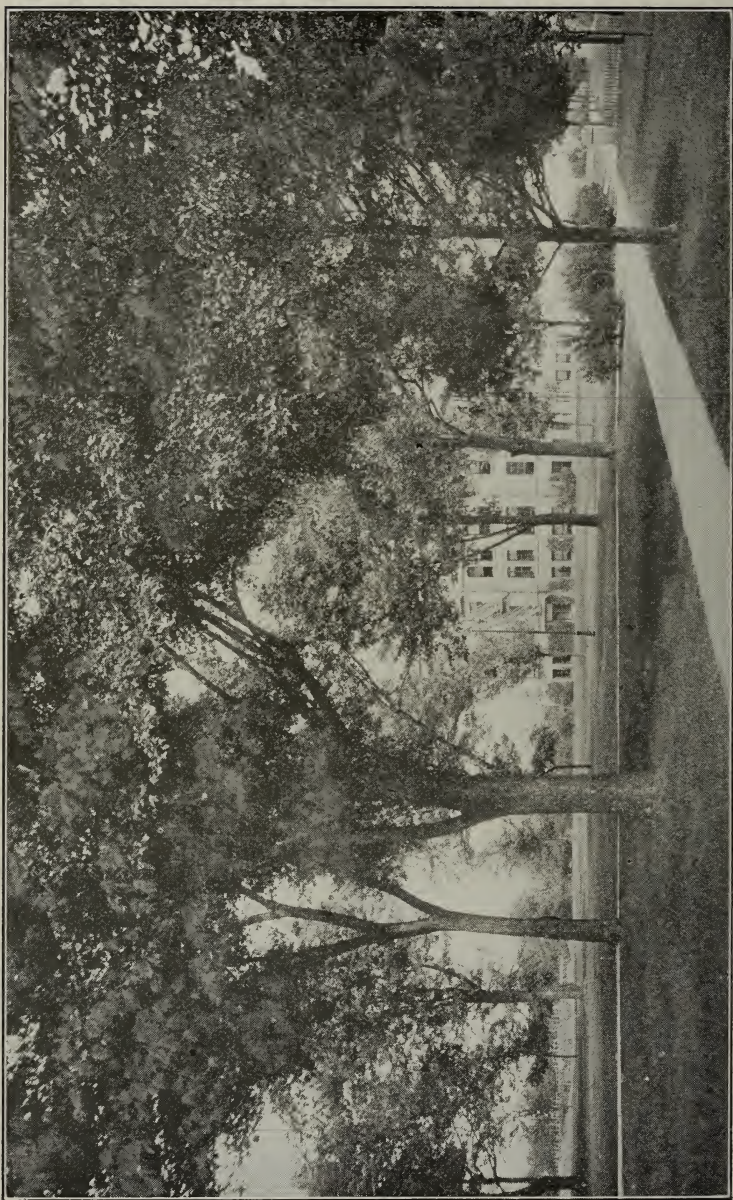
UNIVERSITY OF MISSOURI



REGISTER OF GRADUATES
1874-1919



ROLLA, MISSOURI
1919



CAMPUS VIEW

BOARD OF CURATORS

S. L. BAYSINGER.....	<i>Rolla, Mo.</i>
H. J. BLANTON.....	<i>Paris, Mo.</i>
JOHN H. BRADLEY.....	<i>Kennett, Mo.</i>
D. R. FRANCIS	<i>St. Louis, Mo.</i>
JAMES E. GOODRICH	<i>Kansas City, Mo.</i>
H. B. McDANIEL.....	<i>Springfield, Mo.</i>
G. E. MUNS.....	<i>Montgomery City, Mo.</i>
C. B. ROLLINS	<i>Columbia, Mo.</i>
MILTON TOOTLE, JR.	<i>St. Joseph, Mo.</i>

OFFICERS OF THE BOARD

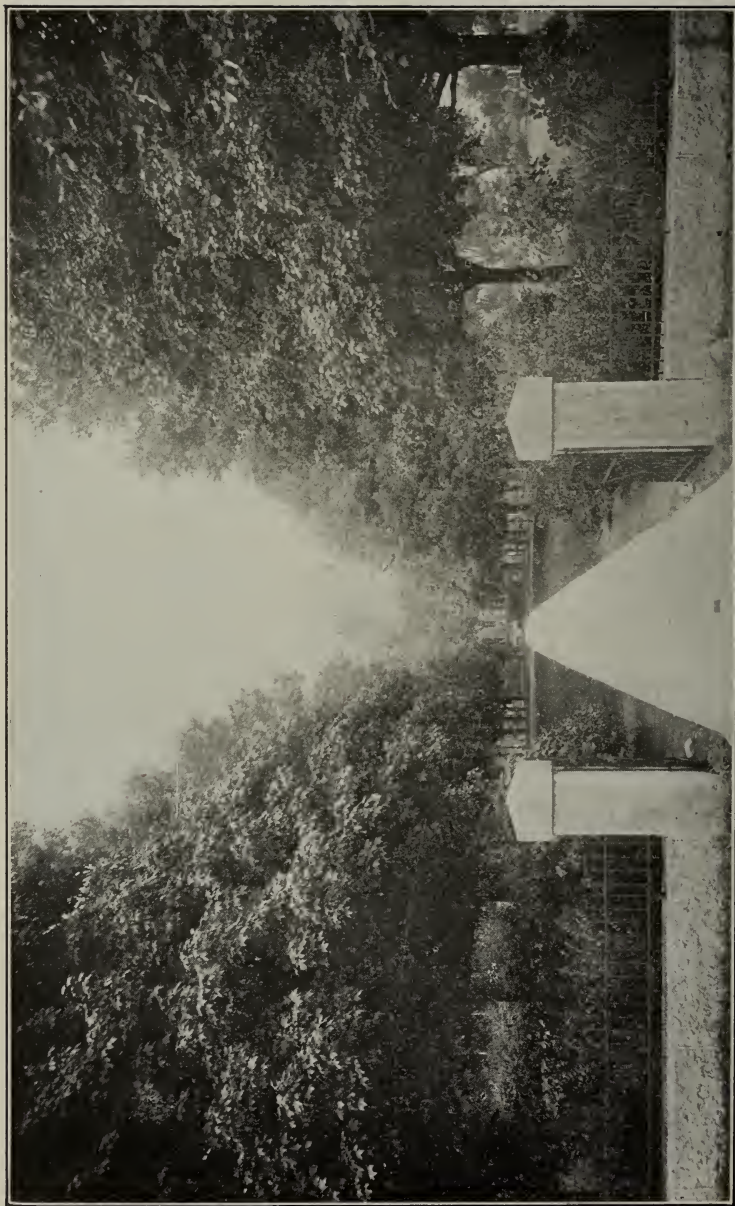
D. R. FRANCIS	<i>President</i>
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J. G. BABB	<i>Secretary</i>
R. B. PEICE	<i>Treasurer</i>

EXECUTIVE COMMITTEE

S. L. BAYSINGER.....	<i>Rolla</i>
H. B. McDANIEL.....	<i>Springfield</i>
G. E. MUNS.....	<i>Montgomery City</i>

OFFICERS OF THE COMMITTEE

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EDW. KAHLBAUM.....	<i>Secretary</i>
C. M. KNAPP.....	<i>Treasurer</i>



SOUTH GATE—CAMPUS VIEW

FACULTY

ALBERT ROSS HILL,

President of the University.

A.B., Dalhousie University, 1892; Ph.D., Cornell University, 1895; LL.D., University of South Carolina, 1905; Dalhousie University, 1908; Westminster College, 1909; Washington University, 1915; Lafayette College, 1915; Universities of Colorado and Michigan, 1916; University of California, 1918.

AUSTIN LEE McRAE,

Director and Professor of Physics.

B.S., University of Georgia, 1881; S.D., Harvard University, 1886.

JOSEPH WAYNE BARLEY,

Professor of English and Modern Languages.

A.B., 1897; A.M., 1905; William Jewell College; Ph.D., University of Pennsylvania, 1911.

GUY HENRY COX,

Professor of Geology and Mineralogy.

B.S. in General Science, Northwestern University, 1905; M.A., 1908; Ph.D., University of Wisconsin, 1911; E.M., School of Mines, 1914.

GEORGE REINALD DEAN,

Professor of Mathematics.

C.E., School of Mines, 1890; B.S. in Mathematics and Physics, School of Mines, 1891.

HAROLD SHIELDS DICKERSON,

Professor of Mechanical Engineering.

B.S., University of Michigan, 1905; B.S., Purdue University; M.E., Purdue University, 1911.

CARROLL RALPH FORBES,

Professor of Mining.

B.S., Michigan College of Mines, 1902; E.M., Michigan College of Mines, 1903. Major of Engineers during the war.

ELMO GOLIGHTLY HARRIS,

Professor of Civil Engineering.

C.E., University of Virginia, 1882.

WILLIAM DeGARMO TURNER,

Professor of Chemistry.

B.S., 1909, Ph.D., 1917, University of Chicago.

HAROLD LESLIE WHEELER,

Librarian.

A.B., Brown University, 1910; B.L.S., New York State Library School, 1913.

HERBERT JOSEPH WILD,

Professor of Military Science and Tactics.

C.E., Pennsylvania Military College, 1896; Major, Engineer Corps, U. S. Army.

LEON ELMER WOODMAN,

Professor of Physics.

A.B., 1899, A.M., 1902, Dartmouth College; Ph.D., Columbia University, 1910.

CHARLES YANCEY CLAYTON,

Associate Professor of Metallurgy and Ore Dressing.

B.S. 1913, Met.E., 1916, School of Mines.

- CHARLES LAURENCE DAKE,
Associate Professor of Geology and Mineralogy.
A.B., 1911; A.M., 1912; University of Wisconsin.
- FRANK EDWARD DENNIE,
Associate Professor of Athletics and Physical Director.
B.S. in Civil Engineering, Brown University, 1909. Capt. of Engineers during the war.
- LEON ELLIS GARRETT,
Associate Professor of Mathematics.
B.S., in General Science, School of Mines, 1901.
- EDGAR SCOTT McCANDLISS,
Associate Professor of Civil Engineering.
B.S. in Civil Engineering, Purdue University, 1909; C.E. School of Mines, 1917. Capt. of Engineers during the war.
- ROLLAND SCHANEL WALLIS,
Associate Professor of Drawing and Descriptive Geometry.
B.S. in E.E., 1907; B.S. in C.E., 1909; C.E., 1915, Iowa State College.
- HENRY HORTON ARMSBY,
Assistant Professor of Civil Engineering.
B.S., 1911, C.E., 1916, Pennsylvania State College.
- JOSEPH HENRY BOWEN,
Assistant Professor of Shop Work and Drawing.
Graduate, Miller School, Virginia. 1st Lieut. Ordnance Department during the war.
- FRANCIS POTTER DANIELS,
Assistant Professor of Modern Languages.
A.B., University of Michigan, 1895; A.M., University of Missouri, 1897; Ph.D., University of Missouri, 1905.
- HOWARD LEROY DUNLAP,
Assistant Professor of Chemistry.
B.S., Ohio University, 1912; M.A., Ohio State University, 1914.
- FLOYD HILL FRAME,
Assistant Professor of Physics and Electricity.
A.B., Clark University, 1912; Captain of Ordnance during the war.
- EUGENE LEE JOHNSON,
Assistant Professor of English.
Ph.B., Emory College, 1899; LL.B., Mercer University, 1902; Ph.B., Chicago University, 1910.
- GARRETT A. MUILENBURG,
Assistant Professor of Geology and Mineralogy.
A.B., 1912, M.S., 1913, University of Iowa.
- WOLDEMAR MARKOVITCH STERNBERG,
Assistant Professor of Chemistry.
Chem.E., Institute of Technology, Petrograd, Russia, 1908; Ph.D., University of Minnesota, 1918.
- MARTIN HARMON THORNBERRY,
Research Metallurgist, Experiment Station.
B.S., School of Mines, 1912.
- VAN BUREN HINSCH,
Instructor in Mathematics.
B.S., 1909, E.M., 1917, School of Mines.
- J. H. UNDERWOOD,
Instructor in Forge Shop.

LORAIN HARRY CUNNINGHAM,

Assistant in Mathematics.

LEWIS ELY DAVIDSON,

Assistant in wood shop.

ALLEN DEWEY POTTS,

Assistant in Assaying

ARTHUR SCOTT,

Instructor R. O. T. C.

Master Engineer, Jr. Grade, U. S. Engineers.

EDWIN ALLSOP SLOVER,

Assistant in Mathematics.

THOMAS FRANCIS WALSH,

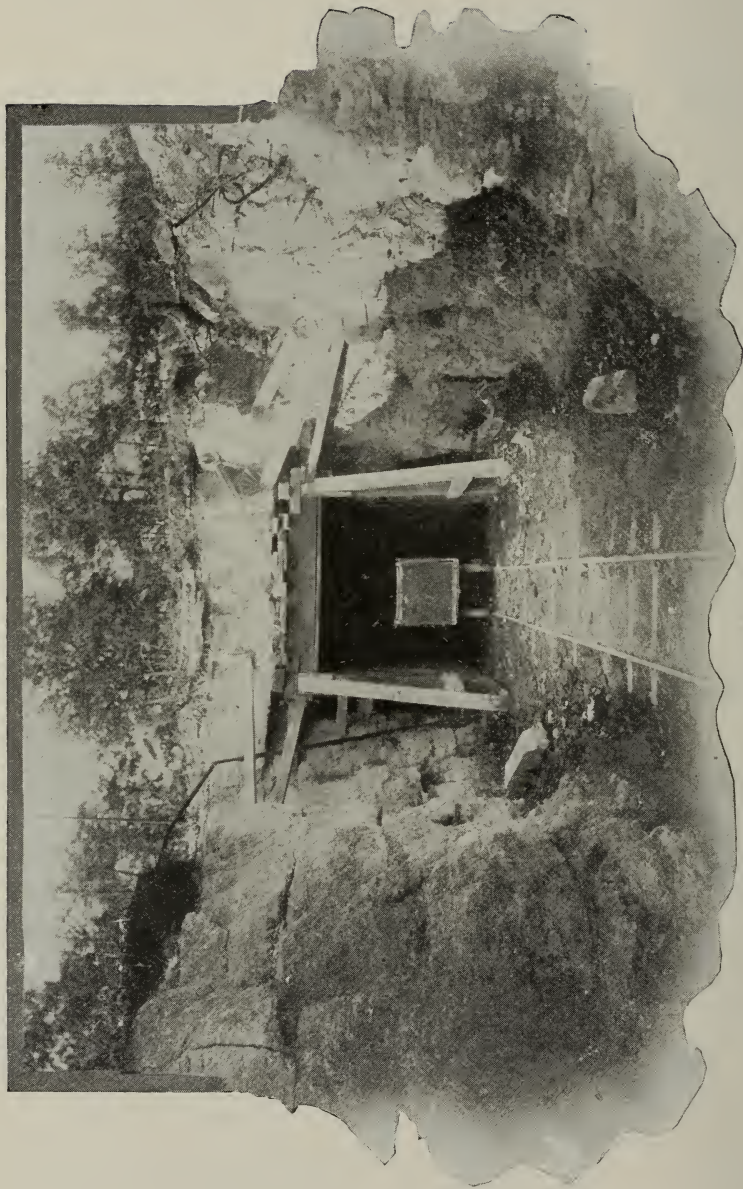
Assistant in English.

B.S. School of Mines, 1917.

HANLEY WEISER,

Assistant in Chemistry.

B.S. School of Mines, 1918.



MINE TUNNEL.

M. S. M. ENROLLMENT
1892—1919

Sp.	Fr.	Soph.	Jr.	Sr.	R.G.	N.R.G.	Total	DEGREES					
								Adv.		Deg.			
								B.S. in Sch. 3 Yrs.					
1892				Not Classified				83	2	3	0		
1893				Not Classified				116	2	2	0		
1894	{	59	26	10	7	5	1	0	121	4	1	0	
1895													{
1896	{	20	14	16	12	8	2	0	0	72	1	0	
1897													{
1898	{	22	20	28	22	18	4	0	2	117	4	0	
1899													{
1900	{	6	29	57	41	22	8	2	3	168	9	1	
1901													26
1902	22	72	54	20	13	2	9	192	13	0	3		
1903	18	63	53	40	16	0	19	209	15	0	10		
1904	11	62	34	47	32	1	7	194	18	0	2		
1905	23	69	52	24	43	0	13	224	25	0	3		
1906	25	68	39	43	32	0	8	215	23	0	2		
1907	15	79	42	33	33	0	8	210	21	0	2		
1908	21	63	59	49	28	0	9	229	29	0	5		
1909	11	70	51	62	41	5	14	254	34	1	5		
1910	9	45	59	46	54	4	14	231	42	2	12		
1911	6	36	38	53	44	2	9	188	34	0	4		
1912	6	35	29	29	48	3	8	158	39	2	6		
1913	6	96	33	31	29	4	6	205	22	0	1		
1914	11	90	81	31	32	7	11	263	23	1	6		
1915	10	84	69	68	21	12	15	279	15	0	10		
1916	25	68	60	56	50	6	20	284	35	1	12		
1917	29	84	70	52	47	6	13	301	36	2	9		
1918	26	65	72	37	25	1	9	235	24	0	6		
1919	17	91	53	49	23	2	5	240	15	2	4		

NOTE—From 1894 to 1900 the upper number under special students refers to women students.

DEGREES

Conferred by School of Mines and Metallurgy 1874—1919

Year	M. E.	C. E.	B. S. in E. M.	B. S. in C & M	B. S. in MET	B. S. in M & P	B. S. in C. E.	B. S. in G. S.	B. S. in M. E.	B. S. in E. E.	B. S. in CH. E.	MET E	M. S.	E. M.	ADV. DEG.			CH. E.	
															E. M.	MET E	C. E.		
1874	1	2																	3
1875	1	1																	2
1876	3	2																	5
1877	2	1																	3
1878	2	2																	4
1879	1	1																	2
1880	2	0																	2
1881	1	2																	3
1882	2	5																	7
1883	1	1																	2
1884	4	3																	7
1885	2	1																	3
1886	1	2																	3
1887	2	2																	4
1888	0	0																	0
1889	0	0																	0
1890	0	1																	1
1891	1	0		1		1		1											4
1892	1	2		2															5
1893	2	0		0			1	1											4
1894	0	2	1	2			1												6
1895			2	2			3												7
1896			1	0			0								1				2
1897			4	0			3									1			8
1898			1	1			2										1		5
1899			1	1			2										1		5
1899			5	3			4	1									1		14
1900			7	0			0	2					1						11
1901			9	1			3	2									1		17
1902			10	1			1	1											16
1903			11	0			4	0							8	1	1		25
1904			16	2			0	0					1		1				20
1905			22	1			2	0							2		1		28
1906			18	1			4	0							1	1			25
1907			12	5			3	1							1	1			23
1908			20				4	5							5				34
1909			18		1		4	11					1	1	4				40
1910			30		3		3	6					1	1	8	3	1		56
1911			26		3		0	5							4				38
1912			23		3		2	11					1	1	4	2			47
1913			10		4		1	7							1				23
1914			12		2		1	8					1	1	5				30
1915			9		1		3	1							7	3			24
1916			17		4		9	5					1		5	4	3		48
1917			21		6		6	1	1	1			1		6	1	2	1	47
1918			11		9		2	1	1						3	2			29
1919			8		2			1	1		3	2			2	2			21
	29	30	325	23	38	1	68	71	3	1	3	2	8	4	73	21	12	1	713

To the Alumni:

In issuing this Register of Graduates, we were not able to obtain a recent address of some of the men. You are requested to send notice to the office whenever you make a change of location or position.

You are also requested to send in the name and address of any M. S. M. men whether graduates or non-graduates whom you may know that are not given in this register.

The School of Mines expects to celebrate its 50th anniversary at commencement in 1921. We wish to have the address of every living alumnus whether a graduate or not by that time.

Your co-operation is earnestly solicited.

You will be pleased to know that the Board of Curators has established a chair of Economics and Business Training in the School of Mines.

A. L. McRAE.

ALUMNI

- Abernathy, George Elmer, B.S., '14*Butte, Mont.*
Mining Engineer, Butte and Superior Copper Co.
- Adams, Bernard William, B.S., '16.....306 *Norwood Pl., Akron, O.*
Combustion Engineer, Northern Ohio Traction and Light Co.
- Adams, Henry Farnum, B.S., '12.....*Box 88, Inspiration, Ariz.*
In Charge Experimental Laboratory, Inspiration Cons. Copper Co.
- Albertson, Maurice Merton, B. S., '11; E.M., '15.....*Cobalt, Ontario*
Mining Engineer and Geologist.
Home address, Turon, Kan.
- Alexander, Curtis, E.M. and C.E., '81..*Spring Valley, San Diego, Cal.*
- Alexander, Raphael Currier, B.S., '03; E.M., '06....*Henryetta, Okla.*
Supt. Kusa Smelting Co.
- Alexander, Thompson, C.E., '10.....*Box 27, Ft. Smith, Ark.*
Assistant to Valuation Engineer, St. L. & S. F. R. R.
- Allen, Ernest James, B.S., '11.....*Hazel Green, Wis.*
Mine Supt. Vinegar Hill Zinc Co.
- Ambler, Harry Atwood, B.S., '17*Hospital, Ft. Sheridan, Ill.*
Captain, U. S. Infantry.
- Ambler, John Owen, B.S., '06.....*Clifton, Ariz.*
Smelter Supt. The Arizona Copper Co.
- Anderson, Hector George Sylvester, B.S., '08; E.M., '12 *Hurley, N.M.*
Assistant General Manager, Chino Copper Co.
- Anderson, Perry Barton, B.S., '07.....*St. Louis, Mo.*
Assistant Valuation Engineer, Missouri Pacific Railway.
- Andrus, Dexter Eli, B.S., '13.....108 *Scott St., Tuscon, Ariz.*
Hatcher and Andrus Mining Engineers.
- Arnold, Emmet Lee, B.S., '17.....*Holdenville, Okla.*
Sinclair Oil Co., Box 651.
- Ashdown, Byron Lee, B.S., '16..106 *N. Grove St., E. Orange, N. J.*
Engineer with James Stewart & Co., 30 Church St., New York
City.
- Baker, Arnold George, B.S., '07.....*Helena, Mont.*
Engineer, State Highway Commission.
- Baker, Charles Armstrong, B.S., '08.....*Anaconda, Mont.*
Foreman, Copper Leaching Plant, Anaconda Copper Co.
- Barker, Ralph, B.S., '98*Tacoma, Wash.*
Metallurgist, Tacoma Smelter.
- Barrett, Edward Phillip, B.S., '09.....*Salt Lake City, Utah*
Chemist U. S. Bureau of Mines.
- Bartlett, Albert Babbitt, B.S., '07; E.M., '10.....*Glendo, Wyo.*
Mgr. Horseshoe Live Stock Co.
- Barton, Joseph C., B.S., '17.....*Ashland, Ala.*
Secretary and Gen. Mgr., Acme Graphite Co.
- Barton, Robert Arthur, B.S., '06; C.E., '10.
- Baueris, William Albert, B.S., '09.....*Seattle, Wash.*
Puget Sound Dredging Co.
- Beach, James Keller, B.S., '11.....*Houston, Texas*
Ajax Rubber Co.
- Bean, William Yantis, C.E., '78.....*Neosho, Mo.*
Inspector and Instructor Grand Commandery Knights Templar
of Missouri.

*For list of deceased Alumni see page 31.

- Beard, John Warren, B.S., '09...504 *E. Jefferson St., Syracuse, N. Y.*
Bedford, Robert Hardy, B.S., '06; E.M., '11.....*Grass Valley, Cal.*
Supt. North Star Mines.
- Bell, Frank Rolla, B.S., '03.....*Bartlesville, Okla.*
Supt., Lanyon-Starr Smelting Co.
- Benedict, Ralph Robert, B.S., '08.....*Washington, D. C.*
Structural Expert, Office, Chief of Ordnance, Artillery Division.
- Benham, Willard Miles, B.S., '15.....*Grass Valley, Calif.*
Central Consolidated Mines.
- Benton, Louis Brent, B.S., '19.....*Cisco, Texas*
Asst. Geologist Humble Oil and Refining Co.
Home Address 1730 Sixth Av., Ft. Worth, Texas.
- Beyer, Emil Lucius, B.S., '16.....*East Orange, N. J.*
Engineering Assistant, James Stewart & Co., 30 Church St.,
New York City.
- Bingham, Raymond Alexander, B.S., '11.....
.....101 *Sherman Ave., Glen Ridge, N. J.*
Cottrell Operator, Balbach Smelting & Refining Co., Newark, N. J.
- Blake, Frank Orris, Jr., B.S., '10...243 *N. Bright Av., Whiting, Cal.*
Resident Geologist Southern Division, Standard Oil Co. of Cal.
- Blake, True Walter, B.S., '11; E.M., '14.....*Welland, Ont., Can.*
Ass't. Supt. Union Carbide Co.
- Bland, George Vest, B.S., '04.....*Hurley, N. Mex.*
Head Sampler Chino Copper Co.
- Blaylock, Daniel Webster, B.S., '15....6 *Logan Pl., Edwardsville, Ill.*
Mining Engineer Madison Coal Co., Glen Carbon, Ill.
- Bock, Joseph Henry, Jr., B.S., '17.....*Santa Rita, New Mex.*
Steam Shovel Foreman, Chino Copper Co.
- Bodman, John Whittlesey, B.S., '10; Chem.E., '17..*Wister Springs, Ill.*
Vice-President and Gen. Mgr. Wm. Garrigue & Co., Chemical
Engineers, Chicago, Ill.
- Bohart, Philip Harris, B.S., '19.....*Wichita Falls, Texas*
Geologist, Gulf Production Co.
Home Address, 709 5th Ave., Ft. Worth, Texas.
- Boland, Earl Frederick, B.S., '10..109 *Lexington Av., Syracuse, N. Y.*
Chemist, Crucible Steel Company of America.
- Boucher, Leonidas James, B.S., '14.....*Hannibal, Mo.*
Quarry Superintendent, Atlas Portland Cement Co.
- Bowles, John Hyer, B.S., '08.....*Lake Springs, Mo.*
Farming.
- Bowles, James Joseph, B.S., '10.....*Lake Springs, Mo.*
Farming.
- Boyer, Fred Tete, B.S., '09...2025 *Washington Av., Philadelphia, Pa.*
Merchant & Evans Co.
- Boyer, George Hewitt, B.S., '08; E.M., '16.....*Milwaukee, Wis.*
Research Engineer, Newport Chemical Co.
- Boza, Hector, B.S., '11; E.M., '16.....*Lima, Peru*
Mining Engineer, Mgr. Minera La Guardia.
- Bramson, Charles, B.S., '13.....*Joliet, Ill.*
Chemist, Superior Phosphate Co.
- Bribach, Oscar Nicholas, B.S., '12.....*Breckenridge, Colo.*
Chemist, Wellington Mines Company.
- Brooks, John McMillen, B.S., '06..749 *N. Fifth Av., Knoxville, Tenn.*
- Brooks, Lyman H., Jr., B.S., '13.....*Sheridan, Wyo.*
- Broughton, Eugene Harding, B.S., '12.....*Box 904, Warren, Ariz.*
Metallurgist Concentrating Dept. Copper Queen Branch, Phelps-
Dodge Corp.

- Brown, Joseph Jarvis, Jr., B.S., '05; E.M., '08.....
614 *E. Bridge Av., Blackwell, Okla.*
 Oil Investments.
- Brown, John Stafford, B.S., '17.....*Washington, D. C.*
 Associate Geologist, U. S. Geological Survey.
- Brown, William Ernest, B.S., '07.....
- Buckby, DeNard Wilson, B.S., '01.....*Butte, Mont.*
 Supt. Timber Butte Mining Co.
- Bunten, James, B.S., '10.....*Canon City, Colo.*
 City Engineer and County Surveyor.
- Burdick, Charles Adrian, B.S., '10; E.M., '15.....
15 *Broad St., New York City*
 Mining Engineer.
- Burg, Robert Stanley, B.S., '16.....*Box 1460, Ft. Worth, Texas*
 Engineer, Montrose Oil Refining Co.
- Burgher, Mark Bernardi, B.S., '06.....*Hannibal, Mo.*
 Engineer and Contractor.
- Burkhart, Edgar Carl Moritz, B.S., '18.....*Macon, Mo.*
 City Engineer.
- Buskett, Evans Walker, B.S., '95; M.E., '07.....*Joplin, Mo.*
 Mining Engineer.
- Buskett, Mary Page, B.S., '93.....*Seattle Heights, Seattle, Wash.*
 Teacher.
- Butler, Reginald Henry Brinton, B.S., '09; M.E., '12.....
42 *Rue D'Aubreme, Vilvorde, Belgium*
 Metallurgist.
- Callaway, Scott David, B.S., '12*Kansas City, Mo.*
 Turner Machine and Mfg. Co.
- Cameron, John Simpson, B.S., '97.....*McAlester, Okla.*
 General Superintendent, Bache-Denman Coal Co.
- Caples, Russell Bigelow, Jr., B.S., '10.....*Great Falls, Mont.*
 Supt. Zinc Plant, Anaconda Copper and Mining Co.
- Carnahan, Thomas Samuel, B.S., '04; E.M., '16..*Bingham Canyon, Utah*
 Mining Engineer, Utah Copper Co.
- Carson, Arthur C., E.M., '80.....800*Bush St., San Francisco, Calif.*
 Mining Engineer.
- Castillon, Tirso, B.S., '14.....*Terlingue, Texas*
 Chisos Mining Co.
- Cavazos, Enrique, B.S., '09.....2 *Allende Saltillo, Coah., Mexico*
- Chamberlain, Ernest Lorenz, B.S., '09.....*Olivia, Minn.*
 Civil Engineer, Gardner Engineering Co.
- Chamberlain, Harry Carleton, B.S., '05; E.M., '10.....*Caney, Kan.*
 Chemist, Empire Gas Co.
- Chamberlain, Santiago, B.S., '00.....
- Chase, James Howard, B.S., '12.....*Logansport, Ind.*
 Hyman and Chase Highway Construction Contractors.
- Chavez, Raoul, B.S., '18*Tampico, Tamps, Mexico*
 Mining Geologist, The Sun Oil Co. of Philadelphia, Pa.
- Christopher, James Knight, B.S., '05.....
317 *Board of Trade Bldg., Kansas City, Mo.*
 Stocks and Bonds.
- Clark, Horace Herbert, B.S., '15..*Room 1331 Edison Bldg., Chicago, Ill.*
 Industrial Gas Engineer, Public Service Co. of Northern Ill.
- Clark, Howell Smith, B.S., '18.....*Yale, Okla.*
 Geologist, Middle States Pet. Co.
- Clark, John Charles, B.S., '11.....2020 *N. 16th St., Philadelphia, Pa.*
 Vice President and Manager, The E. F. Griffiths Co.

- Clark, William Newton, B.S., '09;.....1131 *City National Bank Bldg., Omaha, Neb.*
General Sales Agent, A.B. Currie Co.
- Clarke, William Daniels, B.S., '09;.....*Penn's Grove, N. J.*
Research Chemist, Dupont Dye Co.
- Clary, John Henry, B.S., '05;.....*Clearmont, Mo.*
Manager, Clary and Clary Elevator.
- Claypool, William M., C.E., E.M., '84;.....*Needles, Cal.*
Claypool & Co., General Merchandise and Mining Supplies.
- Clayton, Charles Yancey, B.S., '13; Met.E., '16;.....*Rolla, Mo.*
Associate Professor of Metallurgy and Ore Dressing, Missouri
School of Mines.
- Coaske, Paul Ephraim, B.S., '12;.....
- Cody, Benjamin Horace, B.S., '11;.....*Box 375, Ajo, Ariz.*
Chief Chemist Cornelia Copper Co.
- Cody, Frank Wesley, B.S., '13;.....*Clifton, Ariz.*
Arizona Copper Co.
- Compton, James Crawford, B.S., '09;.....*McMinnville, Ore.*
Blake-Compton Co., Contractors.
- Condon, George, B.S., '12;.....*Ryan, Cal.*
Assistant Superintendent of Mines, Pacific Borax Co.
- Connelly, Harry Wade, B.S., '05;.....*Graphite, N. Y.*
American Graphite Co.
- Conrads, Ralph Augustus, B.S., '04;.....*Denver, Colo.*
Replacement Officer, Federal Board for Vocational Education.
- Conway, Clifford Leroy, B.S., '12;.....*Box 1357, Globe, Ariz.*
Development Foreman Arizona Commercial Mining Co.
- Cook, Eldon Everett, B.S., '07;.....*Osborn, Mo.*
Farmer.
- Cook, Paul Richardson, B.S., '07; E.M., '17;.....*Homer, La*
Supt. of Construction, Standard Oil Co.
- Coover, Louis Lincoln, B.S., '12;.....*Potosi, Mo.*
Tie and Timber.
- Copeland, Durward, E.M., '15;.....*Arica, Chile*
Compania Chilena Fundicion de Estano.
- Copeland, Robert Nathaniel, B.S., '11;.....*Cuba City, Wis.*
Supt. Jefferson Mine, Vinegar Hill Zinc Co.
- Copelin, Leonard Stephen, B.S., '13;.....
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- Marshall, Holman Thompson, B.S., '16.....Inspiration, Ariz.
Mining Engineer, Inspiration Consolidated Copper Co.
- Martinez, Carlos Efrin, B.S., '02.....
- Martinez, Justo G., M.E., '85.....
- Maveety, Roswell Hare, B.S., '12...821 Wisconsin Ave., Oak Park, Ill.
Structural Engineer, Frank D. Chase, Inc. Industrial Engineers,
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- May, Lawrence, B.S., '02.....Cristina 24, Havana, Cuba
Mining Engineer.
- Mazany, Mark Stephen, B.S., '09...120 Broadway, New York, N. Y.
Consulting Metallurgical Engineer, Guggenheim Bros.
- Mellow, George Edward, B.S., '18.....St. Louis, Mo.
Liberty Foundry Co.
- Metz, Gilbert Frank, B.S., '14; E.M., '19.....
.....120 Broadway, New York, N. Y.
Engineer, Hardinge Conical Mill Co.
- Michael, Pearl Frederic, B.S., '09.....2205 E. 2nd St., Tulsa, Okla.
Civil Engineer, Carter Oil Co.
- Millard, Sallie E., B.S., '91 (Mrs. Cornelius Roach).....
.....Kansas City, Mo.
- Miller, Christian R., B.S., '11.....Bingham Canyon, Utah
Utah Metal & Tunnel Co.
- Miller, Elton Arthur, B.S., '16.....Box 426, Harrisburg, Ill.
Ass't. Supt., Saline County Coal Co.
- Miller, John Charles, B.S., '16.....Denver, Colo.
Geologist, Producers and Refiners Corp.
- Miller, Julius Charles, B.S., '14.....528 Sargent St., Joplin, Mo.
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- Minger, William C., M.E., '76.....New Orleans, La.
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- Minor, Cyrus Edward, B.S., '04.....Box BB, Douglas, Ariz.
Mining Engineer.
- Minor, Harmon Edwin, B.S., '10.....Box 1776, Houston, Texas
Chief Geologist, Houston District, Sinclair Cons. Oil Corp.

- Mitchell, Robert Bruce, B.S., '11...*Leland Apts., Great Falls, Mont.*
Chemist Electrolytic Zinc Plant, Anaconda Co.
- Mix, Ward Barr, B.S., '08.....*Central City, Ky.*
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- Moore, Frederick Arnold, B.S., '08.....
- Moore, Phillip Aylsworth, B.S., '13.....*Chicago, Ill.*
Sinclair Oil Co.
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Mining Engineer.
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St. Louis and San Francisco Ry. Engineer Corps.
- Morgan, Glen Beckley, '04; E.M., '09.....*Box 336, Cheyenne, Wyo.*
State Geologist of Wyoming.
- Morris, Edwin Robinson, B.S., '12.....*Oelwein, Iowa*
Chemist, Chicago & Great Western R. R.
- Morris, John Munson, B.S., '19.....*Milwaukee, Wis.*
Sales Engineer, Allis-Chalmers Mfg. Co.
- Morris, Thomas Carson, B.S., '19.....*Springfield, Mo.*
Engineering Department, Frisco R. R.
Home address, Farmington, Mo.
- Mortland, Ernest Albert, B.S., '01.....*Cherryvale, Kan.*
Chief Chemist, Edgar Zinc Co.
- Moses, Frederick Galloway, B.S., '14; E.M., '17.....
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St. Joseph Lead Co.
- Murphy, John Andrew, B.S., '13...*10 Canton, San Sebastian, Jal., Mex.*
In charge Mine Operations, Los Reyes Group.
Cia Exploradora de Minas De Mexico, S. A.
- Murray, Edwin Philips, B.S., '08; E.M., '09.....
- Nachtmann, Frank Xavier, B.S., '09.....
.....*Railway Exchange Bldg., St. Louis, Mo.*
Engineer Fuel Dept., Frisco R. R.
- Naylor, Arch Waugh, B.S., '12; C.E., '16.....*Paris, Tenn.*
President, Naylor Engineering Co.
- Neal, Orion Dexter, '14.....*Norwood, O.*
Smelter Chemist.
- Needles, Enoch Ray, B.S., '14.....*Jacksonville, Fla.*
Civil Engineer, Harrington, Howard and Ash Consulting Engineers, Kansas City, Mo. Resident Engineer, care County Commissioners, Jacksonville, Fla.
- Neer, Don Morgan, B.S., '08.....*Sedalia, Mo.*
Care Division Engineer, M. K. T.
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Engineer, Desloge Lead Co.
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- Nichols, Benjamin Guthrie, B.S., '19.....*Cananea, Mexico*
Cananea Copper Co.
- Norton, Benjamin Newton, B.S., '02.

- Nowlan, Harry Hackett, B.S., '13.....
205 *Central National Bank Bldg., Tulsa, Okla.*
 Petroleum Geologist.
- Nye, Alfred Leo, B.S., '08.....
- Olmsted, George Lewis, B.S., '01.....
- Oyler, William Ellsworth, B.S., '19.....*Chicago, Ill.*
 Chemist, Research Dept., American Cotton Oil Co.
- Pack, James A., M.E., '77.....*DeLamar, Idaho*
- Pack, John Wallace, M.E., '74.....*U. S. Mint, San Francisco, Cal.*
 Assayer, U. S. Treasury Department.
- Painter, William R., C.E., '82.....*Jefferson City, Mo.*
 President, Missouri Prison Board.
- Pape, Paul Frederick, B.S., '17.....*Hurley, N. Mexico*
 Chino Copper Co.
- Park, Albert, B.S., '10.....*Alcova, Wyo.*
 Park & Lusby, Civil Engineers.
- Paulette, Robert Justice, B.S., '12.....
- Perkins, Edwin Thompson, B.S., '99; E.M., '02.....
627 *Moffet Ave., Joplin, Mo.*
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- Perkins, Fred Hough, B.S., '99; B.S., '00.....*Phoenix, Ariz.*
 General Manager, Shamrock Cons. Mining Co.
- Perkins, William Crutcher, B.S., '07.....*Jamesport, Mo.*
 Chief of Highway Party.
 Home address, Plattsburg, Mo.
- Peterson, Carl Alden, B.S., '17..220 *Commerce Bldg., Kansas City, Mo.*
 Henrici & Lowrey Consulting Engineers.
- Peterson, Clarence Eugene, B.S., '16; Met. E., '19.....
35 *Nassau St., New York, N. Y.*
 Andes Electin Corp.
- Peterson, Howard Kelsey, B.S., '10.....
32 *Franklin Ave., New Rochelle, N. Y.*
- Phelps, Tracy Irwin, B.S., '06.....*Saco, Mont.*
 Assistant Engineer, U. S. Reclamation Service.
- Philippi, Paul Andrew, B.S., '08.....*Decatur, Ill.*
 Designing Engineer, A. E. Statley Co.
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- Philips, Walter Irving, B.S., '07; Met. E., '10.....
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- Pickles, John Lewis, B.S., '02.....558 *Grand Ave., Duluth, Minn.*
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- Pierce, Colwell Arba, B.S., '16; E.M., '18.....*Patagonia, Ariz.*
 Owner Patagonia Engineering and Assay Office.
- Pollard, Arthur Lewis, B. S., '09...19 *Lincoln Ave., Batavia, N. Y.*
 Superintendent, Malleable Plant, Massey-Harris Harvester Co.
- Porri, Louis Joseph, B.S., '10.....*St. Louis, Mo.*
 Walsh Fire Clay Products Co.
- Porri, William, B.S., '12.....*Box 693, Globe, Ariz.*
 Chief Geologist, Old Dominion Co.
- Porth, William Lee, B.S., '11.....*Chicago, Ill.*
 Master Car Builder, Swift & Co.
- Powell, Frank Bowman, B.S., '05.....*Rolla, Mo.*
 Lumber Merchant.
- Powell, Walbridge Henry, B.S., '01; E.M., '02.....*St. James, Mo.*
 President W. H. Powell Lumber Co.
- Price, Evan Edmund, B.S., '04.....

- Price, John Morgan, B.S., '04.....
- Prugh, Julian Insko, B.S., '05.....626-16th Sacramento, Cal.
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- Pudewa, Arthur Gustav, B.S., '11.....
- Pugh, James Willard, B.S., '18.....154 N. Wells St., Chicago, Ill.
Metallurgist.
- Quinn, Matthew Vincent, B.S., '05; E.M., '14.....Quartzburg, Idaho
Belshazzar Mining Co.
- Radcliffe, Donald Hewson, B.S., '13; E.M., '18.....Yale, Okla.
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- Raj, Shiv, B.S., '11.....B. D. Bank, Lahore, India
Manager, Tata Iron and Steel Co., Gorumahisana.
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- Reber, William Houston, B.S., '18.....Chuquicamata, Chile
Engineer, Chile Exploration Co., via Antofagasta.
- Reid, John Calum, M.E., '93.....S. McAlester, Okla.
Vice President and General Manager, Oklahoma Mining & Strip-
ping Co.
- Reilly, John Henderson Gay, B.S., '17....Guanajuato, Hgo., Mexico
Engineer, Perigina Silver Mine and Milling Co.
- Rex, Harry Noel, B.S., '02.....Creston, Iowa
Coal Operator.
- Rice, John Turner, B.S., '04.....El Centro, Cal.
Consulting Engineer.
- Richards, Walter Coffran, B.S., '07; E.M., '11.....St. Louis, Mo.
Leschen & Sons Rope Co.
- Riede, Frederick Edward, '10.....Austinville, Va.
Assistant Superintendent, The Bertha Mineral Co.
- Rivera, Ramon, B.S., '05.....
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Civil Engineer.
- Robson, (Cuellar), Thomas, '14.....Potosi, Bolivia, S. A.
Mining Engineer.
- Rogers, Herbert Fordyce, B.S., '99.....Joliet, Ill.
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- Rogers, John A., B.S., '03.....
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- Rolufs, Rulof Theodore, B.S., '01; E.M., '03.....Omaha, Neb.
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- Ross, Beauregard, E.M., '82.....
- Rucker, Ray Fleming, B.S., '06.....East St. Louis, Ill.
Superintendent, Aluminum Ore Co.
- Sailer, Edward Louis, B.S., '16.....Cape Girardeau, Mo.
City Engineer, Cape Girardeau, Mo.
- Sandford, John Joseph, B.S., '08.....Gillham, Ark.
B. & F. Mining Co.
- Scheurer, Leroy Robert, B.S., '18.....Wichita Falls, Texas
Mgr. Wichita Falls Hardware Co.
- Schmidt, Sidney Randolph, B.S., '10.....
- Schnaidt, Charles Michael, B.S., '19.....Canton, Ill.
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- Schultz, John Elmer, B.S., '10.....Knoxville, Tenn.
Sullivan Machinery Co.
- Schulze, Herman Otto, B.S., '99; E.M., '02.....

- Schulze, Eugene Victor, B.S., '03.....
- Schuman, John Morris, B.S., '16.....Rolla, Mo.
Schuman Bros., Merchants.
- Scott, James Walter, B.S., '19.....
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- Scott, John Bennett, B.S., '07.....Rolla, Mo.
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- Sedivy, Miles, B.S., '08.....
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- Shanks, John Dozier, B.S., '05.....Ottumwa, Iowa
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- Shaw, Harry William, B.S., '13.....
- Shaves, Frederick Pine, B.S., '17.....Covington, Ky.
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- Sheldon, Wilbur Elihu, B.S., '05.....St. Louis, Mo.
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- Sherry, Homer Kent, B.S., '12; E.M., '16.....Asbestos, Can.
Mine Supt., Canadian Johns-Manville Co.
- Shipley, John Joshua, B.S., '17.....Sugar Creek, Mo.
Draftsman Standard Oil Co.
- Shotwell, John Warder, B.S., '15.....Morenci, Ariz.
Chief Sampler, Detroit Copper Co.
- Shriver, Ray Otto, B.S., '17.....Lewis, Kans.
Engineer for Burt Contracting Co.
- Sickley, Robert Glenn, B.S., '13.....Cobalt, Ont., Canada
Chemist, Buffalo Mines, Ltd.
- Simrall, Riley Marsh, B.S., '14.....Liberty, Mo.
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- Smiley, Vivien Xly, '19.....Springfield, Ill.
Illinois Highway Commission.
- Smith, Charles Dosh, B.S., '05.....Webb City, Mo.
Vice-President and General Manager, Coahuila Mining Co.
- Smith, Clinton De Witt, B.S., '15.....Lexington, Mo.
Assistant Superintendent, Western Coal & Mining Co.
- Smith, Duncan Slater, B.S., '11.....
- Smith, Earl McColloch, B.S., '09.....San Juancita, Honduras, C. A.
Supt. Cyanide Plant, New York and Honduras Mining Co.
- Smith, Harry Gilham, B.S., '19.....
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- Smith, Harvey Edson, B.S., '10; E.M., '14.....Curanilahue, Chile
Consulting Engineer, Compania Carbonifera Los Rios de Curanilahue.
- Smith, Lorin X., M.E., '80; C.E., '81.....
- Smith, Van Hoose, B.S., '10.....Copper Mt. B. C.
Metallurgist Canada Copper Corp.

- Snyder, Byron John, B.S., '07; Met. E., '10.....*Socorro, N. Mex.*
 Professor of Mining and Metallurgy, School of Mines.
- Soest, Walter Ernest, B.S., '09.....*El Paso, Texas*
 Mining Engineer.
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 Interstate Commerce Bldg.
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 Supt. of Construction, Pauly Jail Building Co.
- Sprague, Roy Elliott, B.S., '11.....*Detroit, Mich.*
 Shopwork and Drawing, Central High School and Junior College.
- Stahl, Horace Reynolds, B.S., '18.....*Desloge, Mo.*
 Desloge Lead Co.
- Stauber, Ignatius Joseph Henry, B.S., '01.....
- Steinmesch, Jesse Herman, B.S., '06; E.M., '09.....*Desloge, Mo.*
 Assistant Superintendent, Desloge Consolidated Lead Co.
- Stevens, John Vivian, B.S., '05.....
- Stewart, Arthur J., B.S., '91; Met.E., '97.....
- Stewart, John Sloan, Jr., B.S., '10.....*Galetta, Ont.*
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- Summers, Edward B., C.E., '81.....
- Sunada, Sakuki, B.S., '07.....
- Taylor, Howard Joshua, B.S., '99.....*Missoula, Mont.*
 Senior Highway Engineer, U. S. Bureau of Public Roads.
- Taylor, Joseph MacFerran, B.S., '05.....*Bingham Canyon, Utah*
 Chief Engineer, Utah Apex Mining Co.
- Tayman, Francis Joseph, B.S., '09.....
- Teas, Howard Jones, B.S., '17.....
 510 *Metropolitan Bldg., E. St. Louis, Ill.*
 Junior Engineer Illinois Highway Commission.
- Tedrow, Harvey L., B.S., '09.....
- Terrell, Arthur Davis, B.S., '98; B.S., '99.....
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 General Manager, Mineral Point Zinc Co.
- Thomas, Alfred Augustus, Jr., B.S., '05.....
- Thomas, George Sylvester, B.S., '12....*321 Davis St., Evanston, Ill.*
- Thomas, William Stephens, B.S., '94..118 1/2 *N 8th St., St. Joseph, Mo.*
 Chemist.
- Thompson, Robert Clair, M.S., '04.....*Warren, Pa.*
- Thompson, Reuben Conrad, B.S., '10.....*Hurley, N. Mexico*
 Foreman, Fine Crushing Department, Chino Copper Co.
- Thornberry, Martin Harmon, B.S., '12; B.S., '17.....*Rolla, Mo.*
 Research Assistant, Experiment Station School of Mines and
 Metallurgy.
- Thornhill, Edwin Bryant, B.S., '08; E.M., '15.....*Hurley, N. Mex.*
 Chino Copper Co.
- Torrence, Euart Carl, B.S., '98.....
- Torrence, Leslie Clay, B.S., '97.....
- Townsend, Frank Edgar, B.S., '11.....
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 Ranching.

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- Truex, Arthur Fuller, E.M., '14....506 *Daniels Bldg., Tulsa, Okla.*
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- Tseung Tsik Chan, B.S., '07; E.M., '10.....
.....*Yunnanfu, Yunnan Province, China*
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- Underwood, Jerrold Roscoe, B.S., '99; E.M., '03.....*Granby, Mo.*
Mine Operator.
- Van Devander, Herman Neff, C.E., '82.....*Cedartown, Ga.*
- Van Frank, Phillip R., M.E., '85.....*Little Rock, Ark.*
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- Vitt, John Thomas, B.S., '07.....*Danville, Ill.*
Assistant Division Engineer, C. & E. I. Ry.
- Vogel, Herman Herbert, B.S., '16.....
- Vogt, George C., B.S., '10.....
- Wagstaff, Richard Alexander, B.S., '13.....*Garfield, Utah*
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- Walker, John Perry, B.S., '11.....
- Walker, John Edward, B.S., '03.....
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- Walsh, John Kennedy, B.S., '17..3507 *Humphrey St., St. Louis, Mo.*
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- Walsh, Thomas Patrick Francis, B.S., '17.....*Rolla, Mo.*
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- Wash, Edwin Richards, B.S., '07; E.M., '10..*R. F. D. 2, Bethlehem, Pa.*
Supt. Bethlehem Mines Corp.
- Watkins, Joseph Clarence, B.S., '01.....*Joplin, Mo.*
McDonald Land Co.
- Webster, John Nixon, B.S., '14.....*El Paso, Texas*
Mine and Smelter Supply Co.
- Webster, Royal Sylvester, B.S., '03.....*Havana, Cuba*
Havana Central Railroad.
- Weidner, Frank Hayes, B.S., '03.....*Collinsville, Okla.*
General Superintendent, Tulsa Fuel & Manufacturing Co.
- Weigel, William Melvin, B.S., '00; E.M., '03....*Fredericktown, Mo.*
Supt. Smelters, Missouri Cobalt Co.
- Weimer, Earl Joseph, B.S., '17.....*Flat River, Mo.*
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- Weimer, Raymond Samuel, B.S., '18.....*Bartlesville, Okla.*
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- Wiles, George B., C.E., '87.....
- Wilfley, Clifford Redman, B.S., '05.....*Ouray, Colo.*
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- Wilkinson, Paul DeLassus, B.S., '19.....*Ames, Ia.*
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 Willmott, Miller Edward, B.S., '12.....*Tonopah, Nev.*
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 Wilson, Frank Walter, C.E., '84.....*Hanover, Mass.*
 Consulting Engineer.
*Huntington, W. Va.*
 Engineer, R. H. Hancill Co.
 Wilson, George Baldwin, B.S., '17.....147 *Milk St., Boston, Mass.*
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 Wilson, Homer Marvin, B.S., '15.....*Box 813, Del Rio, Texas*
 Wilson, Thaddeus C., B.S., '13.....*Butte, Mont.*
 Flotation Engineer, Timber Butte Mining Co.
 Winters, Charles F., M.E., '79.....129 *N. Olive St., Los Angeles, Cal.*
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 Wishon, Walter W., E.M., '81.....*Box 127, Searchlight, Nev.*
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 Wolf, Edgar Joseph, B.S., '09; E.M., '13.....*Mt. Vernon, Ill.*
 Wolf and Harlem Insurance.
 Wood, Clyde Rex, B.S., '08.....*Sheridan, Wyo.*
 Mining and Civil Engineer.
 Woods, Clarence, B.S., '04.....*Dragoon, Ariz.*
 Supt. Dragoon Tungsten Min. Co.
 Wright, Clark Watson, B.S., '12.....
 Wright, Ira Lee, B.S., '07; E.M., '11..*Box 306, Silver City, N. Mex.*
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 Wyman, William Charles, B.S., '06.....*Box 214, Ottumwa, Ia.*
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ALUMNI

(Deceased)

Armstrong, Richard Edward '08	1919	Harris, Dwight Dean '12....	1916
Black, James Kennedy '04..	1918	Hase, Herman Carl '08.....	1916
Bowles, Martin Frady, '17..	1918	Heck, Elmer Cooper '05....	1916
Branham, William Grover '10	1917	Hoyer, Rudolph C. '79.....	1915
Brown, Wilton Rutherford '78		King, Charles LeClair '04...	
Caples, James Watts '05.....	1919	Klepel, Yaro '17.....	1918
Clarke, George Clough '99...		Lyneman, Felix Anthony '08.	1916
Cole, George W. '87.....	1902	Macomber, Sumner Cooley '11	1919
Conover, Cairy C. '12.....	1918	Martin, Walter Guy '96....	
Coppedge, Lindsay L. '78...		Millsap, Thomas H. '77.....	
Cullings, Jay C. '86.....		Morris, Edmund Hames '02	
Davis, Floyd '83.....	1917	Nesbitt, William Corsey '05..	1911
Deegan, Francis J. '75.....	1892	Ohmann-Dusesnil, A.H., '77..	1919
Dosenbach, Benj. Harrison '10	1918	Ohnsorg, Norman Lloyd '10	1918
Fach, Charles Albert '00....	1915	Owen, John R. D. '85.....	1887
Florreich, Philip '95.....		Roesler, Herbert Arno '03..	1917
Fraser, Keith Colt '10.....	1918	Stoliker, Edmund Otis '14..	1916
Gallaher, Philip Clark '84....	1916	Wager, Walter Henry '14...1917	
Gill, John Holt '74.....		Wash, James A. '82.....	
Greason, John D. '76.....		Wilson, Fremont '85.....	1916
Hare, Almon W. '75.....	1916	Woodhall, George, Jr. '01...1916	

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Adams, Charles W., Jr. <i>McCormick Bank Bldg., Salt Lake City, Utah</i>	
Metallurgist, A. S. & R. Co.	
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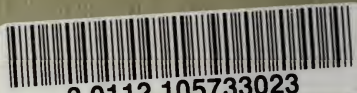
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